

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | "20050086367"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/10/13 14:05 |
| S2    | 50   | (US-6973057-\$ or US-6965572-\$ or US-6574214-\$ or US-7023846-\$ or US-6920133-\$ or US-6449283-\$ or US-7020150-\$ or US-6977932-\$ or US-6956821-\$ or US-6791985-\$ or US-6438612-\$ or US-6947428-\$ or US-6473434-\$ or US-7035226-\$ or US-6665273-\$ or US-6856991-\$ or US-5325362-\$ or US-6611532-\$ or US-7027400-\$ or US-7061921-\$ or US-6956846-\$ or US-6512766-\$ or US-6707809-\$ or US-7023820-\$ or US-7076559-\$ or US-7047315-\$).<br>did. or (US-6771662-\$ or US-6331983-\$ or US-6370144-\$ or US-6389031-\$ or US-6895008-\$ or US-6130889-\$ or US-6055561-\$ or US-6683865-\$ or US-7058059-\$ or US-5964841-\$ or US-6408336-\$ or US-6452920-\$ or US-6856624-\$ or US-6295296-\$ or US-6473421-\$ or US-6603756-\$ or US-6118785-\$ or US-6331978-\$ or US-6628649-\$ or US-6839322-\$ or US-6920134-\$ or US-7012933-\$ or US-7069336-\$ or US-7042838-\$).did. | USPAT   | OR               | OFF     | 2006/10/16 13:25 |
| S3    | 56   | map\$4 near7 (tunnel\$3 near5 (protocol interface))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/17 10:15 |
| S4    | 37   | S3 and (@ad<="20031020"<br>@rlad<="20031020")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/10/17 13:13 |
| S5    | 58   | (multiple many) near4 (tunnel\$4 near4 protocol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/17 11:36 |

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|-----|-----|---|---|----|-----|------------------|
| S6  | 47  | S5 and (@ad<="20031020"<br>@rlad<="20031020")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 11:36 |
| S7  | 45  | S6 not S3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 13:03 |
| S8  | 192 | tunnel adj interface  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 13:16 |
| S9  | 165 | S8 and (@ad<="20031020"<br>@rlad<="20031020")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 14:27 |
| S10 | 66  | S9 and map\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 13:16 |
| S11 | 6   | S8 same map   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 13:16 |
| S12 | 4   | S11 and (@ad<="20031020"<br>@rlad<="20031020")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:01 |
| S13 | 7   | (US-20050086367-\$ or<br>US-20030223378-\$ or<br>US-20020101870-\$).did. or<br>(US-6977932-\$ or US-6920133-\$ or<br>US-6771662-\$ or US-7092389-\$).<br>did. | US-PGPUB;<br>USPAT  | OR | OFF | 2006/10/17 14:25 |
| S14 | 69  | (classif\$6 associat\$5 organiz\$5<br>sort\$3) near4 (tunnel\$3 near2<br>(interface protocol standard))   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/10/17 14:26 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S15 | 57   | S14 and (@ad<="20031020"<br>@rlad<="20031020")                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/17 14:27 |
| S16 | 274  | database near6 tunnel\$4                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/18 10:31 |
| S18 | 19   | database near6 (tunnel\$4 adj3<br>(interface\$1 protocol\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/18 10:44 |
| S19 | 1023 | tunnel\$4 adj3 interface\$1                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/18 11:05 |
| S20 | 49   | tunnel near4 information near4<br>database                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/18 11:05 |
| S21 | 43   | S20 and (@ad<="20031020"<br>@rlad<="20031020")                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:04 |
| S22 | 1025 | tunnel\$4 adj3 interface\$1                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:04 |
| S23 | 1    | S22 same (map\$4 adj3 base)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:04 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S24 | 2   | S22 same (map\$4 near4 base)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:06 |
| S25 | 8   | S22 same (map\$4 adj3 interface)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:08 |
| S26 | 3   | (layer adj "2" and S22)) same<br>tunnel\$3 near4 interface\$1              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:10 |
| S27 | 29  | (layer adj "2") and (layer adj "3")<br>same (tunnel\$3 near4 interface\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:13 |
| S28 | 288 | ethernet near3 MPLS  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:13 |
| S29 | 27  | S28 same tunnel\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:13 |
| S30 | 0   | S28 same ((layer I) adj1 "2") and<br>(switch\$3 near4 base)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:15 |
| S31 | 5   | S28 and ((layer I) adj1 "2") and<br>(switch\$3 near4 base)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:15 |

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|     |   |  |   |    |     |                  |
|-----|---|--|---|----|-----|------------------|
| S32 | 0 | associat\$4 near3 ((rout\$3 map\$4)<br>near3 table) near5 (tunnel\$3 adj3<br>(interface protocol)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 10:52 |
| S33 | 7 | associat\$4 near3 ((rout\$3 map\$4)<br>near3 table) same (tunnel\$3 adj3<br>(interface protocol))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:46 |
| S34 | 0 | mapping near4 ("I2" and "I3") near4<br>layers  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:47 |
| S35 | 1 | mapping near4 ("I2" and "I3") near4<br>streams   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:47 |
| S36 | 2 | mapping near4 (("I2" and "I3")<br>((layer adj "1") and (layer adj "2")))<br>near4 streams          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:49 |
| S37 | 0 | mapping near4 (("I2" and "I3")<br>((layer adj "1") and (layer adj "2")))<br>near4 interface\$1     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:48 |
| S38 | 1 | mapping near4 (("I2" and "I3")<br>((layer adj "3") and (layer adj "2")))<br>near4 streams          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:56 |
| S39 | 6 | ((layer adj "2") and (layer adj S22))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:55 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S40 | 1   | mapping near4 (("I2" and "I3")<br>((layer3) and (layer2))) near4<br>streams | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 16:02 |
| S41 | 0   | mapping near4 ((layer3) and<br>(layer2)) near4 streams                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:56 |
| S42 | 0   | mapping near4 ((layer3) and<br>(layer2))                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:57 |
| S43 | 0   | map\$4 near4 ((layer3) and<br>(layer2))                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 12:57 |
| S44 | 5   | map\$4 same ((layer3) and (layer2))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:00 |
| S45 | 654 | (multi multiple) near7 layer near7<br>tunnel\$4                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:00 |
| S46 | 34  | S45 same network  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:00 |
| S47 | 24  | S46 and (@ad<="20031020"<br>@rlad<="20031020")                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:22 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S48 | 2   | parameters near3 include near3 ((hop adj limit) TTL (tunnel adj mtu))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:55 |
| S49 | 7   | tunnel adj MTU  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:57 |
| S50 | 1   | tunnel adj (ttl (hop adj limit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:58 |
| S51 | 113 | (IPv4 near5 IPv6) near4 interface\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 13:59 |
| S52 | 23  | S51 same tunnel\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:15 |
| S53 | 10  | tunnel near5 based near5 (ttl hop)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:16 |
| S54 | 16  | S52 and (@ad<="20031020"<br>@rlad<="20031020")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:33 |
| S55 | 14  | (table database) near4 include\$1<br>near4 ((TTL) (hop adj limit) (time<br>adj to adj live) (time-to-live)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:40 |

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|-----|-----|--|---|----|-----|------------------|
| S56 | 0   | S55 same tunnel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:38 |
| S57 | 1   | S55 and tunnel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:38 |
| S58 | 195 | (table database) near4 ((TTL) (hop<br>adj limit) (time adj to adj live)<br>(time-to-live)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:41 |
| S59 | 1   | S58 same tunnel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:41 |
| S60 | 1   | S58 near5 tunnel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:41 |
| S61 | 1   | S58 near10 tunnel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 14:41 |
| S62 | 7   | S58 and tunnel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:20 |
| S63 | 557 | (routing adj table) near5 (hop ttl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:20 |



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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S64 | 10  | S63 same tunnel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:22 |
| S65 | 5   | set adj hop adj limit  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:24 |
| S66 | 109 | (ipv4 near3 ipv6) near5 support  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:24 |
| S67 | 8   | S66 same tunnel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:32 |
| S68 | 34  | set near3 hop near3 limit  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:32 |
| S69 | 29  | S68 and (@ad<="20031020"<br>@rlad<="20031020")                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:41 |
| S70 | 1   | associate near4 (mpls near5 ((lib<br>(line adj information adj base))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:42 |
| S71 | 1   | associate same (mpls near5 ((lib<br>(line adj information adj base)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 15:42 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S72 | 61 | "6339595"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 16:00 |
| S73 | 2  | (( "I2" and "I3" ) ((layer3) and (layer2))) near4 tunnels | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/19 16:03 |